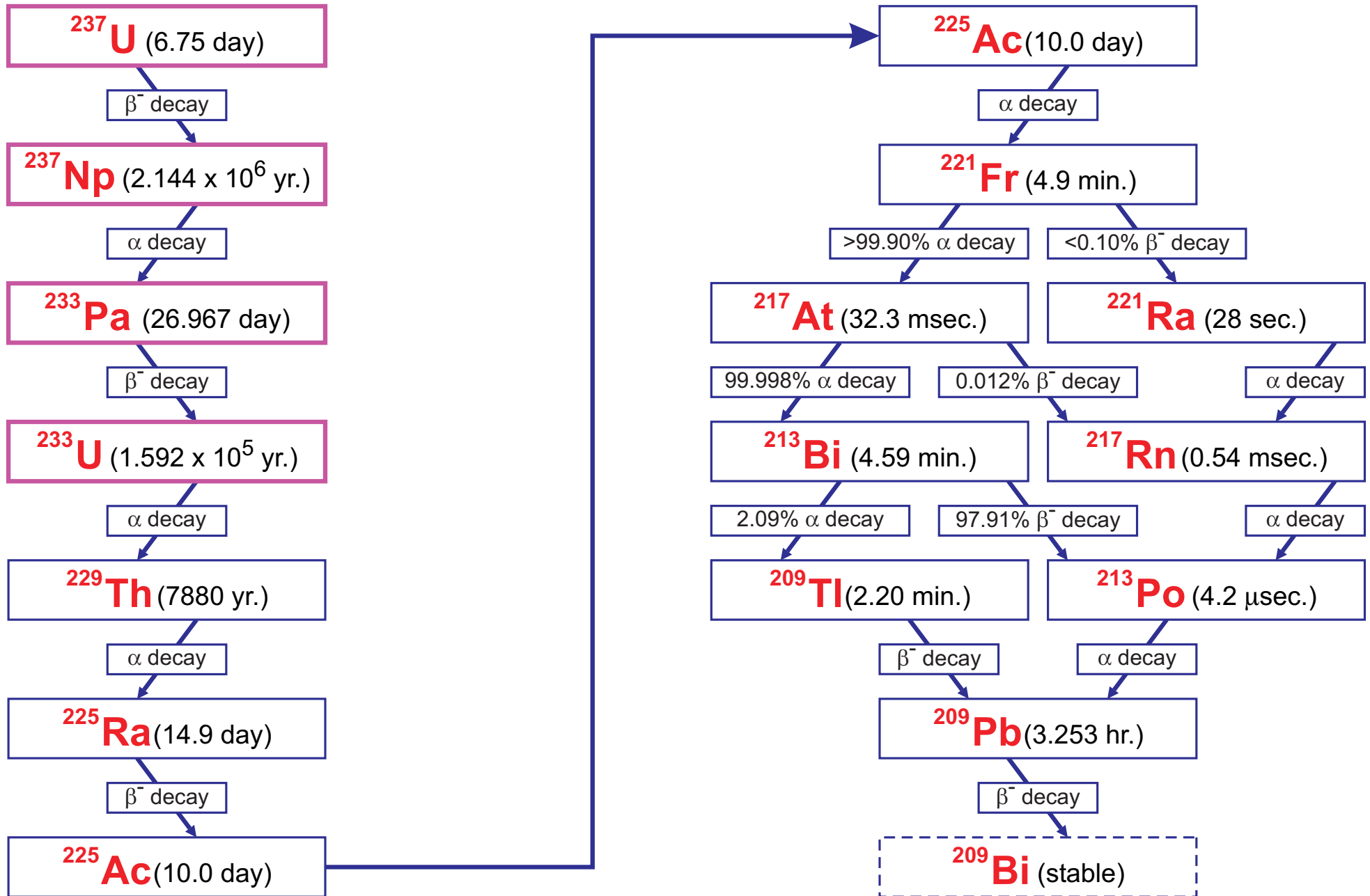
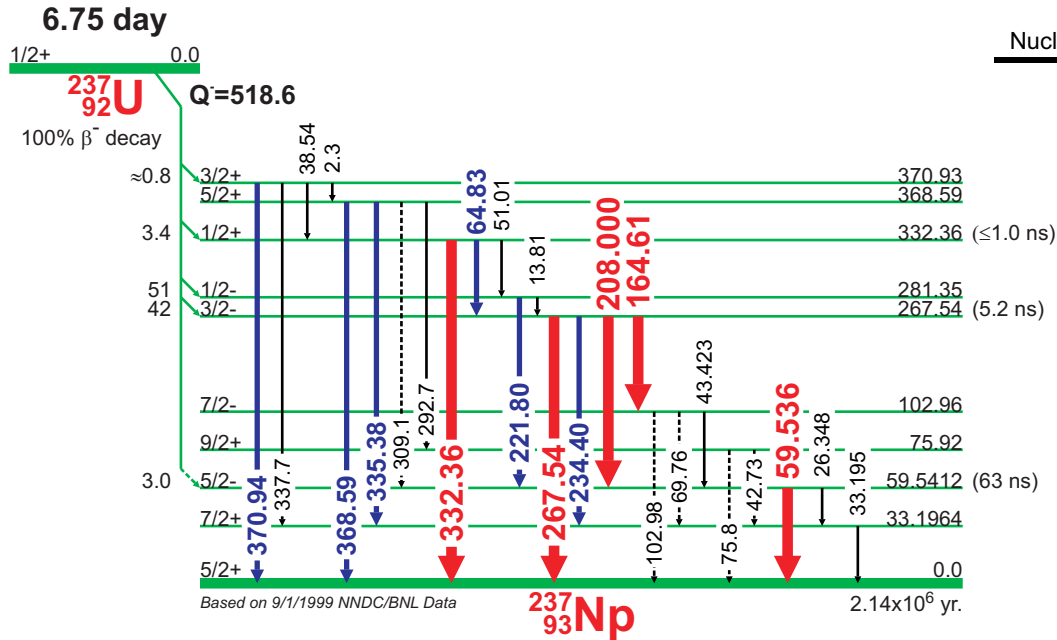


## <sup>237</sup>U Decay Chain



# <sup>237</sup>U (6.75 day) Decay Scheme



## GAMMA-RAY ENERGIES AND INTENSITIES

Nuclide: <sup>237</sup>U

Half Life: 6.75(1) day

$E_\gamma$ (keV)	$\sigma E_\gamma$	$I_\gamma$	$\sigma I_\gamma$	Level	
2.3				370.93	$\beta^-$
13.81	0.02	0.099	0.004	281.35	$\beta^-$
26.348	0.010	2.43	0.06	59.541 2	$\beta^-$
33.195	0.011	0.130	0.005	33.196 4	$\beta^-$
38.54	0.03	0.021	<	370.93	$\beta^-$
42.73	0.05			75.92	$\beta^-$
43.423	0.020	0.024 0	0.002 0	102.96	$\beta^-$
51.01	0.03	0.340	0.010	332.36	$\beta^-$
<b>59.536</b>	<b>0.003</b>	<b>34.5</b>	<b>0.8</b>	<b>59.541 2</b>	<b><math>\beta^-</math></b>
<b>64.83</b>	<b>0.02</b>	<b>1.282</b>	<b>0.017</b>	<b>332.36</b>	<b><math>\beta^-</math></b>
69.76	0.03	0.000 95	0.000 19	102.96	$\beta^-$
75.8	0.2			75.92	$\beta^-$
102.98	0.02	0.006 4	0.000 9	102.96	$\beta^-$
114.09	0.05				$\beta^-$
<b>164.61</b>	<b>0.02</b>	<b>1.86</b>	<b>0.03</b>	<b>267.54</b>	<b><math>\beta^-</math></b>
<b>208.000</b>	<b>0.010</b>	<b>21.2</b>	<b>0.3</b>	<b>267.54</b>	<b><math>\beta^-</math></b>
221.80	0.04	0.021 2	0.000 7	281.35	$\beta^-$
234.40	0.04	0.020 5	0.000 7	267.54	$\beta^-$
<b>267.54</b>	<b>0.04</b>	<b>0.712</b>	<b>0.010</b>	<b>267.54</b>	<b><math>\beta^-</math></b>
292.7	0.1	0.002 5	0.000 7	368.59	$\beta^-$
309.1		0.000 27		368.59	$\beta^-$
<b>332.36</b>	<b>0.04</b>	<b>1.200</b>	<b>0.016</b>	<b>332.36</b>	<b><math>\beta^-</math></b>
335.38	0.04	0.095 1	0.002 2	368.59	$\beta^-$
337.7	0.2	0.008 9	0.000 5	370.93	$\beta^-$
340.45		0.001 65	0.000 33		$\beta^-$
368.59	0.04	0.039 2	0.001 7	368.59	$\beta^-$
370.94	0.04	0.107 3	0.001 7	370.93	$\beta^-$

$E_\gamma$ ,  $\sigma E_\gamma$ ,  $I_\gamma$ ,  $\sigma I_\gamma$  Levels from ENSDF Database as of September 1, 1999

① These  $I_\gamma$  are per 100 Decays of <sup>237</sup>U.

② Normalization factor is 1.0, and its uncertainty is taken to be 0.0.

